Sustainable Blue Economy

Minor code	LKZ350VE
Education cycle	1st cycle (bachelor)
Mode of delivery	On-Campus
Study programme	Coastal and Marine Management
Part of study year	Year 3
Location	Leeuwarden
Semester	Spring semester; terms 3 and 4
Number of credits (ECTS)	30
Language of instruction	English
Target group	Van Hall Larenstein students, Erasmus+ students, other external students. Interest in blue economy (incl. but not limited to food, energy and climate transitions) and have a propaedeutic transcript of a university (of applied science)
Minor co-ordinator and contact person	Andre Dijkstra, andrer.dijkstra@hvhl.nl
Entry requirements and prerequisites	Propaedeutic transcript
Application procedure	Consult Exchange possibilities

Major study units

Term of teaching	Study unit code	Name of the study unit	ECTS
Term 3	TOETS-02	Exam – Blue Economy	8
Term 4	TOETS-01	Workfield assignment	15
Term 4	TOETS-03	Presentation	7

Content

In recent years, human development has reached beyond land and coastline, making our seas and oceans an increasingly interesting place to exploit. Our seas offer opportunities in the development towards a sustainable future, with governments persistently setting their sights on using marine areas to deal with or prepare for climate change. This includes solving food crises with aquaculture and fisheries, accelerating the energy transition with offshore wind or realizing floating solar parks and tidal energy.
All these developments raise questions:

- Do we have the capabilities to realize transitions?
- What investments are needed to develop transitions, and what roles do policy and administration play?
- What are the consequences for biodiversity and nature?
- What limitations does the sea hold, and do we take all human interests into account?

The minor Sustainable Blue Economy will help you investigate these issues.
As Frans Timmermans, Executive Vice-President for the EU Green Deal has said:
“Healthy oceans are a precondition for a thriving blue economy. Pollution, overfishing and habitat destruction, coupled with the effects of the climate crisis, all threaten the rich marine biodiversity that the blue economy depends on. We must change track and develop a sustainable blue economy where environmental protection and economic activities go hand in hand.”
(European Commission, 2021)

Competences	Research skills, Professional conduct, Transdisciplinary working (Level 3, professional) As described in the CMM OER (2023-2024)

Learning goals	After this minor, the student is able to show that they can take a position in the Blue Economy discussion on climate, economic, legal, biological, energy, waste, tourism, transportation, and fishing aspects. Furthermore, they will be able to advise industries, governments or NGO's on these matters.
Added value	To answer the questions above, the minor Sustainable Blue Energy will teach students to look at the marine areas as a whole and use integrated approaches to solve the next challenge in human development: sustainable use of the marine environment.
Mandatory literature	To be announced
Teaching methods and student workload	• (Interactive/guest) lectures 105 sbu (dit zijn de uren denk ik?) • Seminars 100 sbu • Discussions 30 sbu • Excursions 90 sbu • Group work 100 sbu • Research 200 sbu • Additional product 60 sbu • Self-study 140 sbu
Assessment	Written and Oral
Evaluation scale	Grades between: 1-10; 0,1 interval; 5,5 pass View ECTS credits and grading